

Comparisons of Job Characteristics

Focus Occupation: [Earth Drillers, Except Oil and Gas \(47-5021\)](#)

Associated Occupation: [Continuous Mining Machine Operators \(47-5041\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021)
Associated Occupation: Continuous Mining Machine Operators (47-5041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	18.0	15.0	<	Expanded education and/or training may be required
Production and Processing	6.0	15.2	5.8	<<	Extensive education and/or training may be required
Transportation	4.6	12.7	5.2	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	11.8	9.2	<	Expanded education and/or training may be required
Law and Government	5.9	11.4	5.5	<<	Extensive education and/or training may be required
Physics	4.3	9.5	2.9	<<	Extensive education and/or training may be required
Geography	3.9	9.3	4.6	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.1	7.6	<	Expanded education and/or training may be required
Telecommunications	3.9	7.8	3.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021)
Associated Occupation: Continuous Mining Machine Operators (47-5041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation and Control	5.4	13.3	13.0	0	Current skill level may be sufficient

Operation Monitoring	6.6	13.2	13.0	0	Current skill level may be sufficient
Equipment Maintenance	3.5	10.1	9.0	<	A higher skill level may be required
Repairing	3.4	9.6	8.4	<	A higher skill level may be required
Troubleshooting	4.5	8.9	8.0	<	A higher skill level may be required
Equipment Selection	3.3	5.6	7.3	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 81			
Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021) Associated Occupation: Continuous Mining Machine Operators (47-5041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	14.6	13.9	0	Current ability level may be sufficient
Multilimb Coordination	6.0	13.2	12.3	0	Current ability level may be sufficient
Reaction Time	4.8	13.2	11.5	<	Some improvement in abilities may be required
Hearing Sensitivity	5.6	12.0	9.2	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	11.5	10.8	0	Current ability level may be sufficient
Auditory Attention	5.9	11.3	7.1	<<	Extensive improvement in abilities may be required
Rate Control	3.8	11.2	10.6	0	Current ability level may be sufficient
Response Orientation	4.0	11.2	10.2	0	Current ability level may be sufficient
Glare Sensitivity	2.6	7.2	5.9	<	Some improvement in abilities may be required
Night Vision	2.1	7.2	4.0	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	7.2	3.7	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 72
Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021) Associated Occupation: Continuous Mining Machine Operators (47-5041)		
Work Activities	Exclusivity of Activity	
Operate earth-moving or other heavy construction equipment	80	
Use hand or power tools	2	
Use measuring devices in construction or extraction work	41	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: n/a
Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021) Associated Occupation: Continuous Mining Machine Operators (47-5041)		
Tools and Technologies		Exclusivity
Tools and technology data is unavailable for one or both occupations.		

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.